

IN THE CLAIMS

1. (currently amended) A congestion controller for an Ethernet switch comprising
a plurality of transmission queues which have different priorities,

 a-receiving means for receiving a PAUSE frame,

 a-restriction means for restricting transmission traffic from the transmission queues by
the received PAUSE frame, wherein

 the restriction means restricts the transmission traffic from a transmission queue of the
 a lowest priority by the PAUSE frame received at a time other than the a PAUSE time, and
 restricts the transmission traffic from the transmission queue of the a higher priority, by the
 PAUSE frame received during the PAUSE time.

2. (currently amended) A congestion controller for an Ethernet switch comprising

 a transmission queue,

 a receiving means for receiving a PAUSE frame,

 a shaping means for shaping the transmission traffic from the transmission queue by
the received PAUSE frame, wherein

 the shaping means restricts transmission speed of the transmission traffic from the
 transmission queue to or below a transmission speed based on a predetermined shaping value
 by the receiving means receiving the PAUSE frame.

3. (original) A congestion controller according to Claim 2 in which the restriction of
the transmission speed is performed by providing a gap in the transmission traffic.

4. (currently amended) A congestion controller for an Ethernet switch comprising
a transmission queue,

an identifying means for identifying an input port which causes congestion by counting packets resident in the transmission queue, corresponding to the input port, and a transmission means for transmitting a PAUSE frame to another switch which is connected to the identified input port, wherein the identifying means further identifies a traffic based on attributes of the packets, and the transmission means notifies the other switch of the identified traffic by the PAUSE frame transmitted thereto.

5. (canceled)